

THERMAL DIFFUSION APPARATUS**Abstract**

An apparatus for operably conveying heat away from a
5 heat source includes a thermally conductive substrate having
a thickness defining a planar boundary thereof, and an
insert portion disposed in the substrate and being
positioned so as not to extend beyond the planar boundary.
The insert portion is a material having a thermal
10 conductivity value of at least 1.5 times that of the
substrate material along at least two axial directions, with
one of such axial directions extending substantially
perpendicularly to first and second opposed sides of the
substrate.